| Concept | Competencies | Grade Level Vocabulary |
| :---: | :---: | :---: |
| Ratios, Proportions and Percent | Compute unit rates associated with ratios of fractions. <br> Recognize and represent proportional relationships between quantities. <br> Use proportional relationships to solve multistep ratio and percent problems. <br> (CC.2.1.7.D.1) | Ratios and Proportional Relationships <br> unit rates, ratios, proportional relationships, proportions, constant of proportionality, complex fractions |
| Rational Numbers | Solve real-world and mathematical problems involving the four operations with rational numbers. <br> (CC.2.1.7.E.1) | proportional relationships, percent, simple interest rate, principal, tax, discount, markup, markdown, gratuity, commissions, fees, percent of error |
| Algebraic expressions and equations | Model and solve real world and mathematical problems using multiple representations such as algebraic, graphical and using tables <br> Solve multi-step equations or inequalities with one variable. <br> Solve and interpret multi-step real life and mathematical problems posed with positive and negative rational numbers. <br> Apply properties of operations to generate equivalent expressions. (CC.2.2.7.B.1) (CC.2.2.7.B.3) | The Number System rational numbers, integers, additive inverse <br> Expressions and Equations <br> coefficients, like terms, distributive property, factor <br> numeric expressions, algebraic expressions, |



